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MOUSE ANTI-CHICKEN INTEGRIN ALPHA6 MONOCLONAL ANTIBODY

CATALOG NUMBER: MAB13444

LOT NUMBER: 19100088

QUANTITY: 100 µg

SPECIFICITY: Reactive with chicken integrin alpha6, as demonstrated by experiments with cDNA-transfected NIH3T3 cells followed by immunoblots.

IMMUNOGEN: Integrin alpha subunits purified from adult chicken brain tissue, denatured in 6M guanidine isothiocyanate, and depleted of beta1 subunit.

ISOTYPE: Mouse Immunoglobulin

CLONE NAME: BnC6B4 (α 6C6)

APPLICATIONS: Western blot

Immunoprecipitation: Precipitates the monomeric alpha6 subunit after the dimeric receptor has been denatured, but does not precipitate the native receptor.

Immunohistochemistry: Effective for immunohistochemistry of methanol-fixed cryosections. An overnight methanol fix is suggested. Previous experiments have used 14 micron sections of chicken embryonic tissue. Typical antibodies dilutions are 35 µg/mL, with overnight antibody incubation, followed by detection with a goat anti-mouse Ig – FITC secondary antibody.

Immunocytochemistry: Effective for methanol-fixed cultured cells (15 minute fixation).

Immunoblot: Recognizes a 130 kDa band in chicken brain tissue and a 140 kDa band in transfected NIH3T3 cells (the difference in molecular weight is likely due to differential glycosylation).

Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Chicken. Other species not tested.

FORMAT: Purified immunoglobulin

PRESENTATION: Liquid in 0.02M PB with 0.25M NaCl, pH=7.6, 0.1% Sodium azide.

STORAGE/HANDLING: Maintain refrigerated at 2-8°C in undiluted aliquots for up to 12 months.

REFERENCES:

1. Bronner-Fraser, M., et al. (1992) Development 115: 197-211.
2. Hayashi, Y. et al. (1990) J. Cell Biol. 110: 175-184.

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